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PTO/SB/01 (12-97)
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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) <input type="checkbox"/> Declaration Submitted with Initial Filing OR <input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)	Attorney Docket Number	164.1002.01
	First Named Inventor	Varma Subir et al
	COMPLETE IF KNOWN	
	Application Number	09 / 475,642
	Filing Date	December 30, 1999
	Group Art Unit	Not Yet Assigned
	Examiner Name	Not Yet Assigned

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Adaptive Link Layer for Point to Multipoint Communication System

the specification of which (Title of the Invention)
☐ is attached hereto
OR
☒ was filed on (MM/DD/YYYY) December 30, 1999 as United States Application Number or PCT International Application Number 09/475,642 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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DECLARATION — Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

☐ Customer Number

OR

☐ Registered practitioner(s) name/registration number listed below

Place Customer
Number Bar Code
Label here

Name	Registration Number	Name	Registration Number

☐ Additional registered practitioner(s) named on supplemental

information sheet PTO/SB/02C attached hereto.

Direct all correspondence to: ☒ Customer Number or Bar Code Label

22883

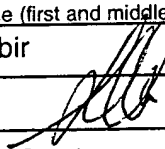
OR ☐ Correspondence address below

Name					
Address					
Address					
City		State		ZIP	
Country		Telephone		Fax	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:

☐ A petition has been filed for this unsigned inventor

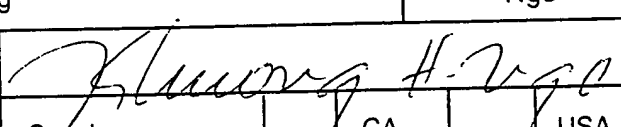
Given Name (first and middle, if any)		Family Name or Surname			
Subir		Varma			
Inventor's Signature				Date	2/8/00
Residence: City	San Jose	State	CA	Country	USA
Post Office Address	1637 South Main Street				
Post Office Address					
City	Milpitas	State	CA	ZIP	95035
				Country	USA

☒ Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto

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DECLARATION**ADDITIONAL INVENTOR(S)**
Supplemental Sheet
Page 1 of 2

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Khuong				Ngo			
Inventor's Signature						Date	2-9-2000
Residence: City	San Jose	State	CA	Country	USA	Citizenship	US
Post Office Address	1637 South Main Street						
Post Office Address							
City	Milpitas	State	CA	ZIP	95035	Country	USA
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Jean				Fuentes			
Inventor's Signature						Date	
Residence: City	Santa Clara	State	CA	Country	USA	Citizenship	US
Post Office Address	1637 South Main Street						
Post Office Address							
City	Milpitas	State	CA	ZIP	95035	Country	USA
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Paul				Truong			
Inventor's Signature						Date	
Residence: City	San Jose	State	CA	Country	USA	Citizenship	US
Post Office Address	1637 South Main Street						
Post Office Address							
City	Milpitas	State	CA	ZIP	95035	Country	

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<h2 style="margin: 0;">DECLARATION</h2>	ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>1</u> of <u>2</u>
---	--

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Khuong				Ngo			
Inventor's Signature						Date	
Residence: City	San Jose	State	CA	Country	USA	Citizenship	US
Post Office Address	1637 South Main Street						
Post Office Address							
City	Milpitas	State	CA	ZIP	95035	Country	USA
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Jean				Fuentes			
Inventor's Signature	<i>Jean Marie Fuentes</i>					Date	2/8/2000
Residence: City	Santa Clara	State	CA	Country	USA	Citizenship	US
Post Office Address	1637 South Main Street						
Post Office Address							
City	Milpitas	State	CA	ZIP	95035	Country	USA
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Paul				Truong			
Inventor's Signature						Date	
Residence: City	San Jose	State	CA	Country	USA	Citizenship	US
Post Office Address	1637 South Main Street						
Post Office Address							
City	Milpitas	State	CA	ZIP	95035	Country	

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<h2 style="margin: 0;">DECLARATION</h2>	ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>1</u> of <u>2</u>
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Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Khuong				Ngo			
Inventor's Signature						Date	
Residence: City		San Jose		State CA		Country USA	
Post Office Address		1637 South Main Street					
Post Office Address							
City		Milpitas		State CA		ZIP 95035	
				Country USA			
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Jean				Fuentes			
Inventor's Signature						Date	
Residence: City		Santa Clara		State CA		Country USA	
Post Office Address		1637 South Main Street					
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Inventor's Signature						Date	
Residence: City		San Jose		State CA		Country USA	
Post Office Address		1637 South Main Street					
Post Office Address							
City		Milpitas		State CA		ZIP 95035	
				Country USA			

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DECLARATION

ADDITIONAL INVENTOR(S)
Supplemental Sheet
Page 2 of 2

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Majidi-Ahy				Reza			
Inventor's Signature				Date	12-24-2000		
Residence: City	Los Altos	State	CA	Country	USA	Citizenship	US
Post Office Address	1637 South Main Street						
Post Office Address							
City	Milpitas	State	CA	ZIP	95035	Country	USA
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Inventor's Signature				Date			
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Inventor's Signature				Date			
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	

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Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
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Washington, D.C. 20231

SEPTEMBER 21, 2000

PTAS

SWERNOFSKY LAW GROUP
JOHN C. MERCHANT
P.O. BOX 390013
MOUNTAIN VIEW, CA 94039-00

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700002125A

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RECORDATION DATE: 09/19/2000

REEL/FRAME: 010967/0071

NUMBER OF PAGES: 5

BRIEF: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

BNA SYSTEMS, INC., A CORPORATION
OF CALIFORNIA

DOC DATE: 03/01/2000

ASSIGNEE:

APERTO NETWORKS, INC.
1637 SOUTH MAIN STREET
A CORPORATION OF CALIFORNIA
MILPITAS, CALIFORNIA 95035

SERIAL NUMBER: 09475642

FILING DATE: 12/30/1999

PATENT NUMBER:

ISSUE DATE:

SERIAL NUMBER: 09475716

FILING DATE: 12/30/1999

PATENT NUMBER:

ISSUE DATE:

010967,0071 PAGE 2

ANTIONE ROYALL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

09/19/2000

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FORM PTO-1619A
 Replaces 08/24/88
 OMB 0551-0027

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 Patent and Trademark Office
PATENT

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- ☐ Resubmission (Non-Recordation)
 Document ID#
- ☐ Correction of PTO Error
 Reel # Frame #
- ☐ Corrective Document
 Reel # Frame #

Conveyance Type

- ☐ Assignment ☐ Security Agreement
- ☐ License ☒ Change of Name
- ☐ Merger ☐ Other
- U.S. Government**
 (For Use ONLY by U.S. Government Agencies)
- ☐ Departmental File ☐ Secret File

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Name (line 1) BNA Systems, Inc.

Execution Date
 Month Day Year
03 01 2000

Name (line 2) a corporation of California

Execution Date
 Month Day Year

Second Party

Name (line 1)

Name (line 2)

Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1) Aperto Networks, Inc.

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment)

Name (line 2) a corporation of California

Address (line 1) 1637 South Main Street

Address (line 2)

Address (line 3) Millpitas
 City

CA
 State/County

95035
 Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name John C. Merchant

Address (line 1) Swernofsky Law Group

Address (line 2) P.O. Box 390013

Address (line 3) Mountain View, CA 94039-0013

Address (line 4) United States

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Correspondent Name and Address Area Code and Telephone Number 860.947.0700																										
Name John C. Merchant Reg. No. 45,996																										
Address (line 1) Swernofsky Law Group																										
Address (line 2) P.O.Box 390013																										
Address (line 3) Mountain View, CA 94039-00																										
Address (line 4) United States																										
Pages Enter the total number of pages of the attached conveyance document including any attachments. # 3																										
Application Number(s) or Patent Number(s) <input type="checkbox"/> Mark if additional numbers attached <small>Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).</small>																										
<table style="width: 100%; border-collapse: collapse;"><tr><td colspan="3" style="text-align: center;">Patent Application Number(s)</td><td colspan="3" style="text-align: center;">Patent Number(s)</td></tr><tr><td style="border: 1px solid black; width: 15%; text-align: center;">09476842</td><td style="border: 1px solid black; width: 15%; text-align: center;">09475718</td><td style="border: 1px solid black; width: 15%;"></td><td style="border: 1px solid black; width: 15%;"></td><td style="border: 1px solid black; width: 15%;"></td><td style="border: 1px solid black; width: 15%;"></td></tr><tr><td style="border: 1px solid black;"></td><td style="border: 1px solid black;"></td><td style="border: 1px solid black;"></td><td style="border: 1px solid black;"></td><td style="border: 1px solid black;"></td><td style="border: 1px solid black;"></td></tr><tr><td style="border: 1px solid black;"></td><td style="border: 1px solid black;"></td><td style="border: 1px solid black;"></td><td style="border: 1px solid black;"></td><td style="border: 1px solid black;"></td><td style="border: 1px solid black;"></td></tr></table>			Patent Application Number(s)			Patent Number(s)			09476842	09475718																
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09476842	09475718																									
<small>If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.</small> <table style="width: 100%;"><tr><td style="text-align: center;">Month</td><td style="text-align: center;">Day</td><td style="text-align: center;">Year</td></tr><tr><td style="border: 1px solid black; width: 30%;"></td><td style="border: 1px solid black; width: 30%;"></td><td style="border: 1px solid black; width: 30%;"></td></tr></table>			Month	Day	Year																					
Month	Day	Year																								
Patent Cooperation Treaty (PCT) <small>Enter PCT application number only if a U.S. Application Number has not been assigned.</small>																										
<table style="width: 100%;"><tr><td style="text-align: center;">PCT</td><td style="border: 1px solid black; width: 15%;"></td><td style="text-align: center;">PCT</td><td style="border: 1px solid black; width: 15%;"></td><td style="text-align: center;">PCT</td><td style="border: 1px solid black; width: 15%;"></td></tr><tr><td style="text-align: center;">PCT</td><td style="border: 1px solid black;"></td><td style="text-align: center;">PCT</td><td style="border: 1px solid black;"></td><td style="text-align: center;">PCT</td><td style="border: 1px solid black;"></td></tr></table>			PCT		PCT		PCT		PCT		PCT		PCT													
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Number of Properties Enter the total number of properties involved. # 2																										
Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$ 80.00																										
Method of Payment: Enclosed <input type="checkbox"/> Deposit Account <input checked="" type="checkbox"/>																										
Deposit Account <small>(Enter for payment by deposit account or if additional fees can be charged to the account.)</small>																										
Deposit Account Number: # 60-0365																										
Authorization to charge additional fees: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																										
Statement and Signature <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.</i>																										
<table style="width: 100%;"><tr><td style="width: 35%;">Name of Person Signing John C. Merchant</td><td style="width: 35%; text-align: center;"> Signature</td><td style="width: 30%; text-align: right;">9-19-00 Date</td></tr></table>			Name of Person Signing John C. Merchant	 Signature	9-19-00 Date																					
Name of Person Signing John C. Merchant	 Signature	9-19-00 Date																								

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PATENTS ONLY****TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).****Submission Type**☒ New☐ Resubmission (Non-Recordation)Document ID# ☐ Correction of PTO ErrorReel # Frame # ☐ Corrective DocumentReel # Frame # **Conveyance Type**☐ Assignment☐ Security Agreement☐ License☒ Change of Name☐ Merger☐ Other **U.S. Government**

(For Use ONLY by U.S. Government Agencies)

☐ Departmental File☐ Secret File**Conveying Party(ies)**☐ Mark if additional names of conveying parties attachedName (line 1) Execution Date
Month Day Year
 Name (line 2) **Second Party**Name (line 1) Execution Date
Month Day Year
Name (line 2) **Receiving Party**☐ Mark if additional names of receiving parties attachedName (line 1) ☐ If document to be recorded
is an assignment and the
receiving party is not
domiciled in the United
States, an appointment
of a domestic
representative is attached.
(Designation must be a
separate document from
Assignment.)Name (line 2) Address (line 1) Address (line 2) Address (line 3)
City
State/Country
Zip Code**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name Address (line 1) Address (line 2) Address (line 3) Address (line 4) **FOR OFFICE USE ONLY**

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Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

Correspondent Name and Address

Area Code and Telephone Number 650.947.0700

Name John C. Merchant

Reg. No. 45,996

Address (line 1) Swernofsky Law Group

Address (line 2) P.O.Box 390013

Address (line 3) Mountain View, CA 94039-00

Address (line 4) United States

Pages

Enter the total number of pages of the attached conveyance document including any attachments.

3

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

09475642

09475716

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number

only if a U.S. Application Number
has not been assigned.

PCT

PCT

PCT

PCT

PCT

PCT

Number of Properties

Enter the total number of properties involved.

2

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$ 80.00

Method of Payment:
Deposit Account

Enclosed ☐

Deposit Account ☒

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

50-0365

Authorization to charge additional fees:

Yes ☒

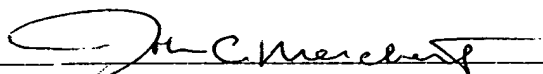
No ☐

Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

John C. Merchant

Name of Person Signing

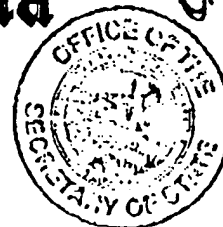
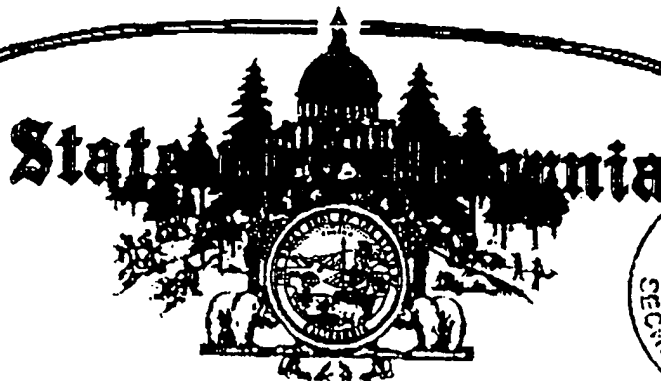


Signature

9-19-00

Date

A0541301

**SECRETARY OF STATE**

I, *BILL JONES*, Secretary of State of the State of California, hereby certify:

That the attached transcript of 2 page(s) has been compared with the record on file in this office, of which it purports to be a copy, and that it is full, true and correct.

IN WITNESS WHEREOF, I execute this certificate and affix the Great Seal of the State of California this day of

MAR 21 2000

Bill Jones

Secretary of State

A0541301

**CERTIFICATE OF AMENDMENT OF THE
ARTICLES OF INCORPORATION OF
BNA SYSTEMS, INC.
A California Corporation**

ENDORSED - FILED
In the office of the Secretary of State
of the State of California

MAR 15 2000

GILL JONES, Secretary of State

The undersigned, Reza Ahy and Judith M. O'Brien, hereby certify that:

ONE: They are the duly elected and acting President and Chief Executive Officer and Secretary, respectively, of BNA Systems, Inc., a California corporation.

TWO: Article I of the Articles of Incorporation of said Corporation is amended to read in its entirety as follows:

ARTICLE I

The name of this Corporation is Aperto Networks, Inc. (the "Corporation").


THREE: The foregoing Certificate of Amendment of the Articles of Incorporation has been duly approved by the Board of Directors of said Corporation.

FOUR: The foregoing Certificate of Amendment of the Articles of Incorporation has been duly approved by the required vote of shareholders in accordance with Sections 902 and 903 of the California Corporations Code. The total number of outstanding shares of Common Stock of the Corporation entitled to vote hereon is 2,469,574. The total number of outstanding shares of Series A Preferred Stock entitled to vote hereon is 5,116,188. The number of shares voting in favor of the amendment equaled or exceeded the vote required. The percentage voted required was more than 50% of the outstanding shares of the Common Stock and Preferred Stock, voting as a single class.

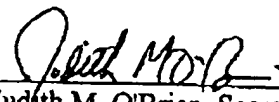
[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]

The undersigned certify under penalty of perjury that they have read the foregoing Certificate of Amendment of the Articles of Incorporation and know the contents thereof, and that the statements therein are true.

IN WITNESS WHEREOF, the undersigned have executed this certificate on March 14, 2000.



Reza Ahy, President and Chief Executive Officer



Judith M. O'Brien, Secretary





**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

JULY 03, 2000

PTAS

SWERNOFSKY LAW GROUP
DANIEL B. CURTIS
P.O. BOX 390013
MOUNTAIN VIEW, CA 94039



101347033A

**UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/10/2000

REEL/FRAME: 010749/0326
NUMBER OF PAGES: 8

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
VARMA, SUBIR

DOC DATE: 02/08/2000

ASSIGNOR:
NGO, KHUONG

DOC DATE: 02/09/2000

ASSIGNOR:
FUENTES, JEAN M.

DOC DATE: 02/08/2000

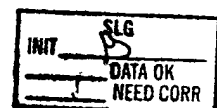
ASSIGNOR:
TRUONG, PAUL

DOC DATE: 02/25/2000

ASSIGNOR:
REZA, MAJIDI-AHY

DOC DATE: 01/24/2000

ASSIGNEE:
BNA SYSTEMS, INC.
1637 SOUTH MAIN
MILPITAS, CALIFORNIA 95035



CTS
A

010749/0326 PAGE 2

SERIAL NUMBER: 09475642
PATENT NUMBER:

FILING DATE: 12/30/1999
ISSUE DATE:

SHARON LATIMER, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

FORM PTO-1619A
Expires 06/30/99
OMB 0651-0027

04/10
05-05-2000



101347033

U.S. Department of Commerce
Patent and Trademark Office
PATENT

2000 APR 10 AM 11:55

OPR/FINANCE

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

☒ New

☐ Resubmission (Non-Recordation)

Document ID#

☐ Correction of PTO Error

Reel #

Frame #

☐ Corrective Document

Reel #

Frame #

Conveyance Type

☒ Assignment

☐ Security Agreement

☐ License

☐ Change of Name

☐ Merger

☐ Other

U.S. Government

(For Use ONLY by U.S. Government Agencies)

☐ Departmental File

☐ Secret File

Conveying Party(ies)

☒ Mark if additional names of conveying parties attached

Name (line 1) Varma, Subir

Execution Date
Month Day Year
02 08 00

Name (line 2)

Second Party

Name (line 1) Ngo, Khuong

Execution Date
Month Day Year
02 09 00

Name (line 2)

Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1) BNA Systems, Inc.

Name (line 2) a Corporation of California

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Address (line 1) 1637 South Main

Address (line 2)

Address (line 3) Milpitas

City

CA

State/Country

95035

Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name Daniel B., Curtis

Address (line 1) Swernofsky Law Group

Address (line 2) P.O.Box 390013

Address (line 3) Mountain View, CA 94039-0013

Address (line 4) United States

05/05/2000 DCOATES 00000294 500365 09475642

FOR OFFICE USE ONLY

01 FC:581

60.00 CH

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

Correspondent Name and Address

Area Code and Tel phone Number

Name

Reg. No

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

Pages

Enter the total number of pages of the attached conveyance document including any attachments.

#

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT PCT PCT
PCT PCT PCT

Number of Properties

Enter the total number of properties involved.

#

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment:
Deposit Account

Enclosed ☐ Deposit Account ☒

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

#

Authorization to charge additional fees:

Yes

☒

No

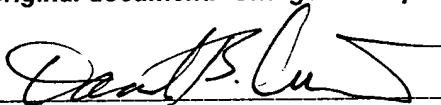
☐

Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Daniel B. Curtis

Name of Person Signing



Signature

April 4, 2000

Date

RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1)	Fuentes, Jean M.	Execution Date Month Day Year	02 08 00
Name (line 2)			
Name (line 1)	Truong, Paul	Execution Date Month Day Year	02 25 00
Name (line 2)			
Name (line 1)	Reza, Majidi-Ahy	Execution Date Month Day Year	01 24 00
Name (line 2)			

Receiving Party(ies)

☐ Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)		<input type="checkbox"/> If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)		
Name (line 2)				
Address (line 1)				
Address (line 2)				
Address (line 3)	City	State/Country	Zip Code	
Name (line 1)		<input type="checkbox"/> If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)		
Name (line 2)				
Address (line 1)				
Address (line 2)				
Address (line 3)	City	State/Country	Zip Code	

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)			Patent Number(s)		


ASSIGNMENT

WHEREAS, we, Subir Varma, a citizen of United States, residing at San Jose, California, Khuong Ngo, a citizen of United States, residing at San Jose, California, Jean Fuentes, a citizen of United States, residing at Santa Clara, California, Paul Truong, a citizen of United States, residing at San Jose, California, and Majidi-Ahy Reza, a citizen of United States, residing at Los Altos, California, have invented a **"Adaptive Link Layer for Point to Multipoint Communication System"** for which we have executed application papers for a U.S. patent thereon, which was filed on **December 30, 1999, Serial No. 09/475,642**; and

WHEREAS, BNA Systems, Inc. a California corporation, having a place of business at 1637 South Main, San Jose, California is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to the Letters Patent to be granted and issued therefor in the United States of America and its territories and possessions, and in all countries foreign thereto;

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, we, Subir Varma, Khuong Ngo, Jean Fuentes, Paul Truong, and Majidi-Ahy Reza, do sell, assign, transfer and set over unto the said BNA Systems, Inc., its successors and assigns, the full and exclusive right, title and interest in and to said invention, and in and to any and all letters patent to be granted and issued therefor, not only for, to and in the United States of America, its territories and possessions, but also for, to and in all other countries including all priority rights under the International Convention; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said BNA Systems, Inc., its successors and assigns, in accordance with this Assignment.

WITNESS OUR HAND at _____, this 8th day of Feb, 2000.



Subir Varma

Khuong Ngo

Jean Fuentes

Paul Truong

Majidi-Ahy Reza

ASSIGNMENT

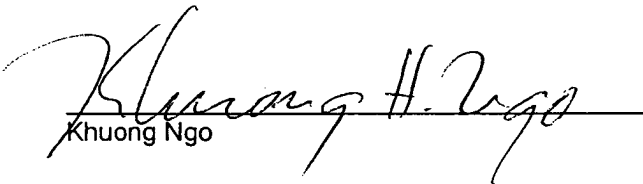
WHEREAS, we, Subir Varma, a citizen of United States, residing at San Jose, California, Khuong Ngo, a citizen of United States, residing at San Jose, California, Jean Fuentes, a citizen of United States, residing at Santa Clara, California, Paul Truong, a citizen of United States, residing at San Jose, California, and Majidi-Ahy Reza, a citizen of United States, residing at Los Altos, California, have invented a **"Adaptive Link Layer for Point to Multipoint Communication System"** for which we have executed application papers for a U.S. patent thereon, which was filed on **December 30, 1999, Serial No. 09/475,642**; and

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WITNESS OUR HAND at _____, this _____ day of
2-9, 2000.

Subir Varma


Khuong Ngo

Jean Fuentes

Paul Truong

Majidi-Ahy Reza

ASSIGNMENT

WHEREAS, we, Subir Varma, a citizen of United States, residing at San Jose, California, Khuong Ngo, a citizen of United States, residing at San Jose, California, Jean Fuentes, a citizen of United States, residing at Santa Clara, California, Paul Truong, a citizen of United States, residing at San Jose, California, and Majidi-Ahy Reza, a citizen of United States, residing at Los Altos, California, have invented a "Adaptive Link Layer for Point to Multipoint Communication System" for which we have executed application papers for a U.S. patent thereon, which was filed on December 30, 1999, Serial No. 09/475,642; and

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WITNESS OUR HAND at _____, this 8th day of February, 2000.

Subir Varma

Khuong Ngo

Jean M Fuentes
Jean Fuentes

Paul Truong

Majidi-Ahy Reza

ASSIGNMENT

WHEREAS, we, Subir Varma, a citizen of United States, residing at San Jose, California, Khuong Ngo, a citizen of United States, residing at San Jose, California, Jean Fuentes, a citizen of United States, residing at Santa Clara, California, Paul Truong, a citizen of United States, residing at San Jose, California, and Majidi-Ahy Reza, a citizen of United States, residing at Los Altos, California, have invented a "Adaptive Link Layer for Point to Multipoint Communication System" for which we have executed application papers for a U.S. patent thereon, which was filed on December 30, 1999, Serial No. 09/475,642; and

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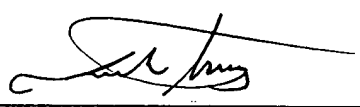
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WITNESS OUR HAND at _____, this 25th day of February, 2000.

Subir Varma

Khuong Ngo

Jean Fuentes



Paul Truong

Majidi-Ahy Reza

ASSIGNMENT

WHEREAS, we, Subir Varma, a citizen of United States, residing at San Jose, California, Khuong Ngo, a citizen of United States, residing at San Jose, California, Jean Fuentes, a citizen of United States, residing at Santa Clara, California, Paul Truong, a citizen of United States, residing at San Jose, California, and Majidi-Ahy Reza, a citizen of United States, residing at Los Altos, California, have invented a **"Adaptive Link Layer for Point to Multipoint Communication System"** for which we have executed application papers for a U.S. patent thereon, which was filed on **December 30, 1999, Serial No. 09/475,642**; and

WHEREAS, BNA Systems, Inc. a California corporation, having a place of business at 1637 South Main, San Jose, California is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to the Letters Patent to be granted and issued therefor in the United States of America and its territories and possessions, and in all countries foreign thereto;

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WITNESS OUR HAND at _____, this 12-24-2000 day of _____, 2000.

Subir Varma

Khuong Ngo

Jean Fuentes

Paul Truong

Majidi-Ahy Reza

Please type a plus sign (+) inside this box→ ☐

PTO/SB/81 (11-96)

Approved for use through 6/30/99. OMB 0651-0035

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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**POWER OF ATTORNEY OR
AUTHORIZATION OF AGENT,
NOT ACCOMPANYING
APPLICATION**

Application Number	09/475,642
Filing Date	December 30, 1999
First Named Inventor	Varma, Subir et al
Group Art Unit	2739
Examiner Name	Not Assigned
Attorney Docket Number	164.1002.01

I hereby appoint:

☒ Practitioners at Customer Number

22883

22883

OR

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☒ The above-mentioned Customer Number.

OR

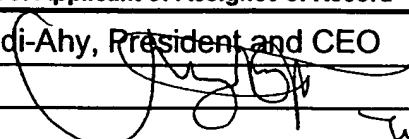
<input type="checkbox"/> Firm or Individual Name					
Address					
Address					
City		State		ZIP	
Country					
Telephone		Fax			

I am the:

☐ Applicant.

☒ Assignee of record of the entire interest
Certificate under 37 CFR 3.73(b) is enclosed

SIGNATURE of Applicant or Assignee of Record

Name	Reza Majidi-Ahy, President and CEO
Signature	
Date	June 1/00

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Varma, Subir et alApplication No./Patent No.: 09/475,642 Filed/Issue Date: December 30, 1999Entitled: Adaptive Link Layer for Point to Multipoint Communication SystemBNA Systems, Inc., a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.


[] Additional documents in the chain of title are listed on a supplemental sheet.

- [X] Copies of assignments or other documents in the chain of title are attached.

NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

Jan 1-00
Date


Signature
Reza Majidi-Ahy
Typed or printed name
President and CEO
Title

ASSIGNMENT

WHEREAS, we, Subir Varma, a citizen of United States, residing at San Jose, California, Khuong Ngo, a citizen of United States, residing at San Jose, California, Jean Fuentes, a citizen of United States, residing at Santa Clara, California, Paul Truong, a citizen of United States, residing at San Jose, California, and Majidi-Ahy Reza, a citizen of United States, residing at Los Altos, California, have invented a "Adaptive Link Layer for Point to Multipoint Communication System" for which we have executed application papers for a U.S. patent thereon, which was filed on December 30, 1999, Serial No. 09/475,642; and

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NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, we, Subir Varma, Khuong Ngo, Jean Fuentes, Paul Truong, and Majidi-Ahy Reza, do sell, assign, transfer and set over unto the said BNA Systems, Inc., its successors and assigns, the full and exclusive right, title and interest in and to said invention, and in and to any and all letters patent to be granted and issued therefor, not only for, to and in the United States of America, its territories and possessions, but also for, to and in all other countries including all priority rights under the International Convention; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said BNA Systems, Inc., its successors and assigns, in accordance with this Assignment.

WITNESS OUR HAND at _____, this 8th day of Feb, 2000.



Subir Varma_____
Khuong Ngo_____
Jean Fuentes_____
Paul Truong_____
Majidi-Ahy Reza

ASSIGNMENT

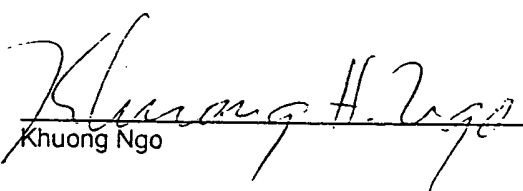
WHEREAS, we, Subir Varma, a citizen of United States, residing at San Jose, California, Khuong Ngo, a citizen of United States, residing at San Jose, California, Jean Fuentes, a citizen of United States, residing at Santa Clara, California, Paul Truong, a citizen of United States, residing at San Jose, California, and Majidi-Ahy Reza, a citizen of United States, residing at Los Altos, California, have invented a "Adaptive Link Layer for Point to Multipoint Communication System" for which we have executed application papers for a U.S. patent thereon, which was filed on December 30, 1999, Serial No. 09/475,642; and

WHEREAS, BNA Systems, Inc. a California corporation, having a place of business at 1637 South Main, San Jose, California is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to the Letters Patent to be granted and issued therefor in the United States of America and its territories and possessions, and in all countries foreign thereto;

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, we, Subir Varma, Khuong Ngo, Jean Fuentes, Paul Truong, and Majidi-Ahy Reza, do sell, assign, transfer and set over unto the said BNA Systems, Inc., its successors and assigns, the full and exclusive right, title and interest in and to said invention, and in and to any and all letters patent to be granted and issued therefor, not only for, to and in the United States of America, its territories and possessions, but also for, to and in all other countries including all priority rights under the International Convention; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said BNA Systems, Inc., its successors and assigns, in accordance with this Assignment.

WITNESS OUR HAND at _____, this _____ day of
2-9, 2000.

Subir Varma



Khuong Ngo

Jean Fuentes

Paul Truong

Majidi-Ahy Reza

ASSIGNMENT

WHEREAS, we, Subir Varma, a citizen of United States, residing at San Jose, California, Khuong Ngo, a citizen of United States, residing at San Jose, California, Jean Fuentes, a citizen of United States, residing at Santa Clara, California, Paul Truong, a citizen of United States, residing at San Jose, California, and Majidi-Ahy Reza, a citizen of United States, residing at Los Altos, California, have invented a "Adaptive Link Layer for Point to Multipoint Communication System" for which we have executed application papers for a U.S. patent thereon, which was filed on December 30, 1999, Serial No. 09/475,642; and

WHEREAS, BNA Systems, Inc. a California corporation, having a place of business at 1637 South Main, San Jose, California is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to the Letters Patent to be granted and issued therefor in the United States of America and its territories and possessions, and in all countries foreign thereto;

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, we, Subir Varma, Khuong Ngo, Jean Fuentes, Paul Truong, and Majidi-Ahy Reza, do sell, assign, transfer and set over unto the said BNA Systems, Inc., its successors and assigns, the full and exclusive right, title and interest in and to said invention, and in and to any and all letters patent to be granted and issued therefor, not only for, to and in the United States of America, its territories and possessions, but also for, to and in all other countries including all priority rights under the International Convention; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said BNA Systems, Inc., its successors and assigns, in accordance with this Assignment.

WITNESS OUR HAND at _____, this 8th day of February, 2000.

Subir Varma

Khuong Ngo

Jean M Fuentes
Jean Fuentes

Paul Truong

Majidi-Ahy Reza

22883

164.1002.01

ASSIGNMENT

WHEREAS, we, Subir Varma, a citizen of United States, residing at San Jose, California, Khuong Ngo, a citizen of United States, residing at San Jose, California, Jean Fuentes, a citizen of United States, residing at Santa Clara, California, Paul Truong, a citizen of United States, residing at San Jose, California, and Majidi-Ahy Reza, a citizen of United States, residing at Los Altos, California, have invented a "Adaptive Link Layer for Point to Multipoint Communication System" for which we have executed application papers for a U.S. patent thereon, which was filed on December 30, 1999, Serial No. 09/475,642; and

WHEREAS, BNA Systems, Inc. a California corporation, having a place of business at 1637 South Main, San Jose, California is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to the Letters Patent to be granted and issued therefor in the United States of America and its territories and possessions, and in all countries foreign thereto;

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, we, Subir Varma, Khuong Ngo, Jean Fuentes, Paul Truong, and Majidi-Ahy Reza, do sell, assign, transfer and set over unto the said BNA Systems, Inc., its successors and assigns, the full and exclusive right, title and interest in and to said invention, and in and to any and all letters patent to be granted and issued therefor, not only for, to and in the United States of America, its territories and possessions, but also for, to and in all other countries including all priority rights under the International Convention; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said BNA Systems, Inc., its successors and assigns, in accordance with this Assignment.

WITNESS OUR HAND at _____, this 25th day of February, 2000.

Subir Varma

Khuong Ngo

Jean Fuentes



Paul Truong

Majidi-Ahy Reza

Assignment

ASSIGNMENT

WHEREAS, we, Subir Varma, a citizen of United States, residing at San Jose, California, Khuong Ngo, a citizen of United States, residing at San Jose, California, Jean Fuentes, a citizen of United States, residing at Santa Clara, California, Paul Truong, a citizen of United States, residing at San Jose, California, and Majidi-Ahy Reza, a citizen of United States, residing at Los Altos, California, have invented a "Adaptive Link Layer for Point to Multipoint Communication System" for which we have executed application papers for a U.S. patent thereon, which was filed on December 30, 1999, Serial No. 09/475,642; and

WHEREAS, BNA Systems, Inc. a California corporation, having a place of business at 1637 South Main, San Jose, California is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to the Letters Patent to be granted and issued therefor in the United States of America and its territories and possessions, and in all countries foreign thereto;

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, we, Subir Varma, Khuong Ngo, Jean Fuentes, Paul Truong, and Majidi-Ahy Reza, do sell, assign, transfer and set over unto the said BNA Systems, Inc., its successors and assigns, the full and exclusive right, title and interest in and to said invention, and in and to any and all letters patent to be granted and issued therefor, not only for, to and in the United States of America, its territories and possessions, but also for, to and in all other countries including all priority rights under the International Convention; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said BNA Systems, Inc., its successors and assigns, in accordance with this Assignment.

WITNESS OUR HAND at _____, this 12-24-2000 day of _____, 2000.

Subir Varma

Khuong Ngo

Jean Fuentes

Paul Truong

Majidi-Ahy Reza